

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	541	123/184.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:25
L2	133	123/184.56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:26
L3	1021	123/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:26
L4	924	123/470.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:26
L5	1426	123/585.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:26
L6	554	123/336.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:26
L7	881	123/456.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:26
L8	5224	1 2 3 4 5 6 7	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:27
L9	1847	8 and manifold	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:27
L10	1577	9 and air	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:27
L11	443	10 and seal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:27

## EAST Search History

L12	364	11 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:28
L13	324	12 and cylinder	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:29
L14	20	13 and carrier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/12/19 13:29
L15	2	(air and induction and seal\$3 and manifold and cylinder and valve). clm.	US-PGPUB	OR	ON	2006/12/19 13:35
S1	459	123/184.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:29
S2	110	123/184.56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 14:48
S3	973	123/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:32
S4	797	123/470.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 14:53
S5	2317	S1 S2 S3 S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 15:56
S6	796	S5 and manifold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:05
S7	340	S6 and seal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:05

## EAST Search History

S8	21	S6 and carrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:05
S10	1388	123/585.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:05
S11	474	S10 and manifold	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:05
S13	111	S11 and seal\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:05
S14	6	S13 and carrier	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:06
S15	5098	swirl with valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:32
S16	359	S3 and S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:32
S17	122192	injector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:32
S18	73	S16 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2004/12/13 16:33
S19	293	123/184.21.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:05

## EAST Search History

S20	86	123/184.56.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:28
S21	379	S19 S20	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:05
S22	143	S21 and seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:19
S23	5	S22 and carrier	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:21
S24	114	S22 and manifold	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:21
S25	90	S24 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:21
S26	482	123/306.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:28
S27	640	123/470.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:28
S28	1014	123/585.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:28
S29	369	123/336.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:29
S30	2472	S26 S27 S28 S29	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:29
S31	548	S30 and seal	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:29
S32	277	S31 and manifold	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:29
S33	224	S32 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:29
S34	17	S33 and carrier	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 10:57

## EAST Search History

S35	2	(air and induction and seal\$3 and manifold and cylinder and valve).clm.	US-PGPUB	OR	ON	2006/12/19 13:35
S36	53	(air and seal\$3 and manifold and cylinder and valve).clm.	US-PGPUB	OR	ON	2006/07/02 10:33
S37	0	"10082293".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/03 12:45
S38	2	"10082293"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/03 12:46
S39	2607	dietz.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/03 12:48
S40	21002	fischer.inv.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/03 12:48
S41	7	S39 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/03 12:48
S42	510	123/184.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:19
S43	119	123/184.56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:19
S44	999	123/306.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:19
S45	881	123/470.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:20
S46	2481	S42 S43 S44 S45	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:20
S47	881	S46 and manifold	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:20

## EAST Search History

S48	26	S47 and carrier	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:20
S49	18	S48 and seal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/02/15 05:20
S50	85	123/326.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/15 05:21
S51	522	123/184.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/01 13:00
S52	126	123/184.56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/01 13:00
S53	521	123/184.21.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:29
S54	126	123/184.56.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S55	646	S53 S54	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 09:30
S56	373	S55 and S55 and manifold	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00
S57	248	S56 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00
S58	227	S57 and air	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00

## EAST Search History

S59	91	S58 and seal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00
S60	820	123/308.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S61	900	123/470.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S62	1412	123/585.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S63	537	123/336.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S64	843	123/456.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S65	4289	S60 S61 S62 S63 S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/02 09:59
S66	1488	S65 and manifold	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00
S67	1330	S66 and valve	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00
S68	328	S67 and seal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00
S69	287	S68 and air	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/07/02 10:00

## EAST Search History

S70	59	(air and seal\$3 and manifold and cylinder and valve).clm.	US-PGPUB	OR	ON	2006/07/02 10:33
S71	31	(engine and air and seal\$3 and manifold and cylinder and (valve or flapper))[clm]	US-PGPUB	OR	ON	2006/07/02 10:34
S72	1	"4779580".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 10:51
S73	1	S72 and cylinder	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 11:06
S74	1	"5146887".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 11:06
S75	1	S72 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 11:31
S76	1	S74 and bearing	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 11:07
S77	0	S72 and actuator	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 11:32
S78	0	S72 and seal	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/09/05 11:32